

Product datasheet

Anti-HIP2/LIG antibody ab227268

3 Images

Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-HIP2/LIG antibody  |
| <b>Description</b>         | Rabbit polyclonal to HIP2/LIG   |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ICC/IF   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Human<br><b>Predicted to work with:</b> Rat, Chicken, Cow, Pig, Xenopus laevis, Chimpanzee, Rhesus monkey<br> |
| <b>Immunogen</b>           | Recombinant fragment within Human HIP2/LIG (internal sequence). The exact sequence is proprietary.<br>Database link: <a href="#">P61086</a>   |
| <b>Positive control</b>    | WB: Mouse brain tissue lysate; HCT 116 whole cell lysate. ICC/IF: HeLa cells.   |
| <b>General notes</b>       | This product was previously labelled as HIP2  |

Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.00<br>Preservative: 0.01% Thimerosal (merthiolate)<br>Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol                 |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab227268** in the following tested applications.

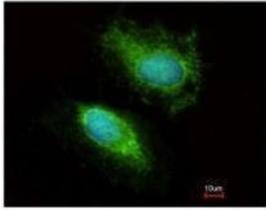
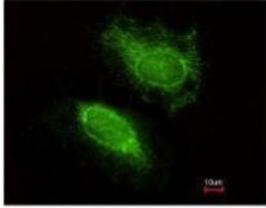
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | 1/500 - 1/3000. Predicted molecular weight: 22 kDa. |
| ICC/IF      |           | 1/100 - 1/1000.                                     |

## Target

|   |  |
|---|--|
| <b>Function</b>                         | Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFkB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1. |
| <b>Tissue specificity</b>               | Expressed in all tissues tested, including spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, T-lymphocytes, monocytes, granulocytes and bone marrow mononuclear cells. Highly expressed in brain, with highest levels found in cortex and striatum and at lower levels in cerebellum and brainstem.  |
| <b>Pathway</b>                          | Protein modification; protein ubiquitination.  |
| <b>Sequence similarities</b>            | Belongs to the ubiquitin-conjugating enzyme family.<br>Contains 1 UBA domain.  |
| <b>Post-translational modifications</b> | Sumoylation at Lys-14 impairs catalytic activity.  |
| <b>Cellular localization</b>            | Cytoplasm.   |

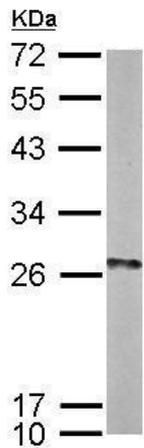
## Images



Immunocytochemistry/ Immunofluorescence - Anti-HIP2/LIG antibody (ab227268)

Methanol-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for HIP2/LIG (green) using ab227268 at 1/200 dilution in ICC/IF.

Blue: Hoechst 33342 staining (lower panel).



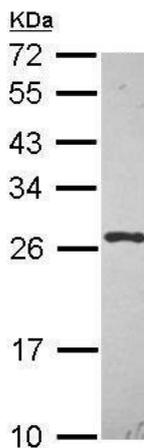
Western blot - Anti-HIP2/LIG antibody (ab227268)

Anti-HIP2/LIG antibody (ab227268) at 1/1000 dilution + Mouse brain tissue lysate at 50  $\mu$ g

Developed using the ECL technique.

**Predicted band size:** 22 kDa

12% SDS-PAGE



Western blot - Anti-HIP2/LIG antibody (ab227268)

Anti-HIP2/LIG antibody (ab227268) at 1/1000 dilution + HCT 116 (human colorectal carcinoma cell line) whole cell lysate at 30  $\mu$ g

Developed using the ECL technique.

**Predicted band size:** 22 kDa

12% SDS-PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors